

Curriculum Vitae

Sahar Allam

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Green Card") status

Universität Potsdam, Germany	May 1998
Institute, Göttingen, Germany	Apr – Dec 1993
Cairo University, Egypt	Nov 1991
School for Young Astronomers	10 – 28 Sep 1990
Department of Astronomy, Cairo University, Egypt	Sep 1988
Cairo University, Egypt	May 1986

of Interacting Galaxies
Prof. Dr. Hasinger, Astrophysikalisches Institut Potsdam (AIP)
Mendenhall, AIP
Prof. Dr. Gerttard Richter, AIP

Experience:

Study of isolated galaxies in the SDSS Early Data Release; Study of merging galaxies in the SDSS Early Data Release; Study of compact groups in the SDSS Early Data Release; Study of compact groups in the Las Campanas Redshift Survey; (Fermilab)	Dec 2000 – present
Study of compact groups in the Las Campanas Redshift Survey; Teaching undergraduate astronomy courses; Analysis of high resolution FIR image processing (NRIAG)	Apr 2000 – Dec 2000
Study of compact groups in the Las Campanas Redshift Survey; Analysis of high resolution FIR image processing (Fermilab)	Sep 1999 – Apr 2000
Study of compact groups in the Las Campanas Redshift Survey; Teaching undergraduate astronomy courses; Analysis of high resolution FIR image processing (NRIAG)	Feb 1999 – Sep 1999
Data Reduction and analysis for the Sloan Digital Sky Survey (SDSS) Monitor Telescope; Study of compact groups in the Las Campanas Redshift Survey; Analysis of high resolution FIR image processing (Fermilab)	Oct 1998 – Feb 1999
Teaching undergraduate astronomy courses; Analysis of high resolution FIR image processing (NRIAG)	May 1998 – Oct 1998
High resolution FIR image processing using Maximum Entropy Techniques (AIP)	Dec 1993 – May 1998
Observations and photometric reductions (Kottamia Observatory 74 in. telescope, Egypt)	1986 – 1991

Research Interests:

Compact groups of galaxies, star formation, far infrared photometry,
interacting & merging galaxies, Seyfert galaxies

Academic Awards:

Deutsche Akademische Austausch Dienst (DAAD) Fellowship, Grant # 562

Professional Societies:

Egyptian Astronomical Society
American Astronomical Society

Computing Skills:

Operating Systems: Linux, UNIX, VAX
Programming Languages: Tcl, FORTRAN, awk
Astronomical Processing: astrottools, sdssQT, IRAF, GAIA, SExtractor, Starburst99,
Gipsy, MaxEnt

Refereed Publications:

- Issa A., **Allam S.** 1991, 'Surface Distribution of Dark Clouds in M31 II,' *Ap&SS*, 176, 275
- Issa A., **Allam S.**, Al-Shalapy M. 1992, 'Absorption Gradient in Some Galaxies IV,' *Ap&SS*, 189, 123
- Issa A., **Allam S.** 1992 'Absorption Gradient in Galaxies V,' *Ap&SS*, 190, 57
- Allam S.**, Assendorp R., Longo G., Richter G. 1995, 'The Far-IR Emission from Compact Groups of galaxies,' *P&SS*, 43, 1371
- Allam S.**, Assendorp R., Longo G., Braun M., Richter G. 1996, 'Far Infrared Properties of Hickson Compact Groups of Galaxies. I. High Resolution IRAS Maps and Fluxes,' *A&AS*, 117, 39
- Allam S.**, Tucker D., Lin H., Hashimoto Y. 1999, 'Star Formation in Las Campanas Compact Groups,' *ApJL*, 522, 89
- Allam S.**, Tucker D. 2000, 'Compact Groups in the Las Campanas Redshift Survey,' *Astr. Nachr.*, 321, 101
- Tucker D., Oemler A., Hashimoto Y., Shectman S., Kirshner R., Lin H., Landy S., Schechter P., **Allam S.** 2000, 'Loose Groups of Galaxies in the Las Campanas Redshift Survey,' *ApJS*, 130, 237
- Doroshkevich, A., Tucker, D.L., **Allam S.** 2002, 'Large Scale Structure in the SDSS Galaxy Survey', *MNRAS* submitted, astro-ph/0206301
- Smith J. A., Tucker D., **Allam S.**, Rodgers 2002, 'Local $u'g'r'i'z'$ Standard Stars in the Chandra Deep Field-South', in preparation
- Allam S.**, et al. 2002, 'Merging Galaxy Pairs in the SDSS Early Data Release,' in preparation
- Lee B., **Allam S.**, Tucker D., et al. 2002, 'Compact Groups in the SDSS Early Data Release,' in preparation
- Rider C., et al., 2002, 'A Survey of Southern Hemisphere Open Clusters in the $u'g'r'i'z'$ Filter System: I. Results for Nine Well Characterized Clusters' in preparation
- Allam S.**, et al. 2003, 'Isolated Galaxies in the SDSS Early Data Release,' in preparation
- Allam S.**, Tucker, D. 2003, 'The Environments of Las Campanas Compact Groups of Galaxies,' in preparation
- Allam S.** 2003, 'FIR Properties of Interacting/Merging galaxies,' in preparation
- Allam S.** 2003, 'Far Infrared Properties of Isolated Galaxies,' in preparation
- Allam S.**, Assendorp R., Richter G., Hasinger G., Karachentsev I. 2003, 'Far Infrared Catalogue for Karachentsev Pairs,' in preparation

Conference Proceedings and Others:

- Allam S.**, Issa A. 1992, 'Surface Distribution of Dark Clouds in M31: Absorption Gradient along the Minor Axis and in the R and θ Direction II,' *Fourth Scientific General Meeting of NRIAG*, Nov. 23-28, 1992
- Issa A., **Allam S.**, Al-Shalapy M. 1992, 'Absorption Gradient in Some Galaxies IV,' *Fourth Scientific General Meeting of NRIAG*, Nov. 23-28, 1992
- Issa A., **Allam S.** 1992 'Absorption Gradient in Galaxies V,' *Fourth Scientific General Meeting of NRIAG*, Nov. 23-28, 1992
- Allam S.**, Assendorp R., Longo G., Richter G. 1994, 'Far Infrared Catalogue for Hickson Compact Groups,' *Astronomische Gesellschaft Tagung*, Potsdam, Sep. 26-30, 1994
- Allam S.** 1997, 'High Resolution Study of Interacting Galaxies,' *Astronomische Gesellschaft Tagung*, Berlin, Nov. 18-19, 1997
- Allam S.** 1998, 'Compact Groups of Galaxies in the Las Campanas Redshift Survey,' *BAAS, 193rd Meeting of the AAS*, #02.03
- Allam S.**, Tucker D. 2000, 'An Atlas of Compact Groups from the Las Campanas Redshift Survey,' *BAAS, 195th Meeting of the AAS*, #12.08
- Allam S.** 2000, 'Las Campanas Compact Groups: Star Formation Properties,' in *Small Galaxy Groups*, IAU Colloquium 174, ASP Conf. Series, Vol. 209, eds. M. J. Valtonen & C. Flynn, (San Francisco: ASP), p. 355
- Allam S.**, Tucker D., 'Physical Properties of Compact Groups of Galaxies in the Las Campanas Redshift Survey,' *Eighth General Scientific Meeting of NRIAG*, Nov. 11-15, 2000
- Lee B., Tucker D., **Allam S.** 2001, 'Compact Groups of Galaxies in the SDSS Early Data Release,' *BAAS, 199th Meeting of the AAS*, #110.019
- Doroshkevich A., Tucker D., Vanden Berk D., **Allam S.**, 'Spatial Distribution of Quasars in the 2QZ 10K Release and the SDSS Early Data Release,' in *Lighthouses of the Universe*, eds. A. J. Banday et al., (Springer Verlag), in press
- Lamb, D.Q., Snedden, S., vanden Berk, D.E., **Allam S.**, Tucker, D.L., Lee, B.C., Harvanek, M., Kleinman, A.N., Kleinman, S., Krzesinski, J., Long, D., Newman, P.R., 2002, 'GRB020531(=H2042): optical observations,' *GRB Circular Network*, 1403, 1
- Hackman C.L., Smith J.A., Canterna R.W., Tucker D.L., Neilsen E.H., **Allam S.**, Stoughton C., Chen B., Newberg H.J., Pier J.R., 'An Investigation of the Age and Metallicity of Galactic Star Clusters' *BAAS, 200th Meeting of the AAS*, #09.03
- Smith J.A., Rodgers C.T., Tucker D.L., **Allam S.**, Jorgensen A., 'The Southern Hemisphere $u'g'r'i'z'$ Standard Star Network,' *BAAS, 200th Meeting of the AAS*, #58.06
- Allam S.**, Tucker D.L., 'Interacting/merging pairs in the SDSS EDR' *BAAS, 200th Meeting of the AAS*, #40.12

Newman, P.R., Lamb, D.Q., Tucker, D.L., **Allam S.**, Lee, B.C., , vanden Berk, D.E., Harvanek, M., Kleinman, A.N., Kleinman, S., Krzesinski, J., Long, D., Snedden, S., on behalf of the SDSS GRB team, 2002, 'GRB021112 (=H2448): optical observations,' GRB Circular Network, 1695, 1

Allam S., Tucker D.L., Smith J. A., 'Properties of Merging Pairs in the SDSS EDR' BAAS, *201th Meeting of the AAS*, #52.09

Smith J.A., Tucker D.L., **Allam S.**, Jorgensen A., 'Southern Standard Stars for the u'g'r'i'z' System' BAAS, *201th Meeting of the AAS*, #104.08

References:

(1) Prof. Günther Hasinger (thesis advisor)

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(2) Prof. J. Allyn Smith (Professor of Astronomy, University of Wyoming)

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(3) Prof. Chris Stoughton (Deputy Head, Experimental Astrophysics Group, Fermilab)

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